EUREKUS℠

STEAM POWERED DISCOVERY

MISSIONMakers – Make to Learn & Lead

Transform STEM learning through Art & Making experiences!

TIP 1: *BECOME A CO-LEADER, CO-LEARNER*

Transform teaching to transform learning

TIP 2: *ANY PLACE CAN BE A "MAKER SPACE"*

Build knowledge through problem and Maker-based learning

TIP 3: *PROCESS, PROCESS, PROCESS*

Unite design, engineering and artistic practice in organic ways

TIP 4: *FAILURE IS OPPORTUNITY*

Encourage the "Edison Effect"

TIP 5: *WE ALL ARE EXPLORERS & ENGINEERS!*

Create, Share, Celebrate

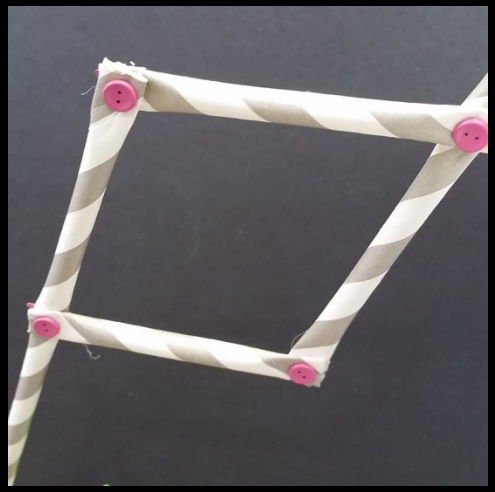
SIMPLE MACHINE SHOEBOX ROVER

HIGHLIGHTS

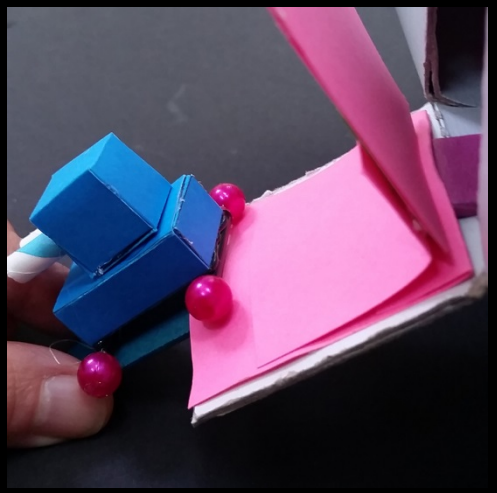
- NASA Mission Inspired
  - Build Engineering Literacy
  - Apply Math Skills
- Scaffolds Investigation
  - Simple to Complex Machines
  - Guided to Open Challenges
- Learner-led
  - Process Focus
  - Collaborative
- Scalable for Any Age, Any Space
  - Inexpensive & Up-cycled Materials

SIMPLE MACHINES

Wheel & Axle

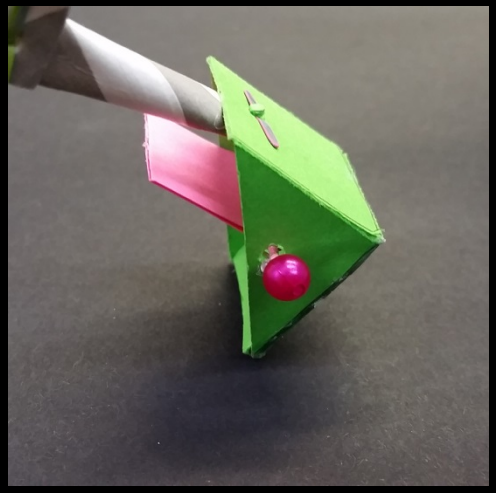


Lever



Inclined Plane

Pulley



Wedge

Screw

SHOEBOX ROVER

YOUR MACHINE SYSTEMS

1. Automata Instrument Mount - Cameras & Communications
2. Locomotion System
3. Robotic Arm
4. Sample Collector
5. Pulley Arm
6. Ramp & Mini Instrument
7. Drill Arm
8. Other Science & Engineering Instruments